

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: October 8, 2010 <i>(use as many sheets as necessary)</i>				Application Number	10/593,353
				Filing Date	06/19/2007
				First Named Inventor	Lars Dahne
				Art Unit	1651
				Examiner Name	Raymond P. Yeager
Sheet	1	of	4	Attorney Docket Number	00054-0016-001

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	5,487,390	01/30/1996	Cohen, et al.	
	AB	6,699,501	03/02/2004	Neu, et al.	
	AC	US 2002/0187197	12/12/2002	Caruso, et al.	
	AD	US 2004/0013738	01/2004	Voigt, et al.	
	AE	US 2002/172716	11/21/2002	David R. Walt, et al.	
	AF	3,041,289	06/26/1962	Katchen, et al.	
	AG	3,251,800	05/17/1966	Colley, et al.	
	AH	3,429,827	02/25/1969	Ruus	
	AI	3,855,172	12/17/1974	Iler, et al.	
	AJ	4,001,140	01/04/1977	Foris, et al.	
	AK	4,087,376	05/02/1978	Foris, et al.	
	AL	4,663,286	05/05/1987	Tsang, et al.	
	AM	4,683,092	07/28/1987	Damon Biotech, Inc.	
	AN	5,091,187	02/25/1992	Haynes	
	AO	5,162,486	11/10/1992	BASF AG	
	AP	5,308,701	05/03/1994	Cohen, et al.	
	AQ	5,674,519	10/07/1997	Curtis, et al.	
	AR	5,756,210	05/26/1998	Dupuis, et al.	
	AS	6,017,559	01/25/2000	Mulqueen, et al.	
	AT	6,051,372	04/01/2000	Bayerl, et al.	
	AU	6,479,146	11/12/2002	Caruso, et al.	
	AV	US 2006/251701	11/09/2006	Lynn, et al.	
	AW	US 2007/020469	01/25/2007	Wood, et al.	
	AX	4,409,331	10/01/1983	Lim	
	AY	4,487,785	12/01/1984	Goosen, et al.	
	AZ	4,495,288	01/01/1985	Jarvis, Jr., et al.	
	BA	4,663,286	05/05/1987	Tsang, et al.	
	BB	4,741,872	05/01/1988	De Luca	
	BC	4,835,248	05/01/1989	Bader, et al.	
	BD	4,940,588	07/01/1990	Sparks	
	BE	6,013,284	01/11/2000	De Miquel Ignacia, et al.	
	BF	6,833,192	12/01/2004	Caruso, et al.	
	BG	5,344,487	09/01/1994	Whalen-Shaw	
	BH	6,203,909	03/01/2001	Chassot	
	BI	5,427,767	06/01/1995	Kresse, et al.	
	BJ	5,512,332	04/01/1996	Liberti, et al.	
	BK	5,705,222	01/06/1998	Somasundaran, et al.	
	BL	5,716,709	02/10/1998	Ferguson, et al.	
	BM	6,423,338	07/01/2002	Larson, et al.	
	BN	6,689,478	02/01/2004	Laguitton	

Examiner Signature		Date Considered	
---------------------------	--	------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: October 8, 2010 <i>(use as many sheets as necessary)</i>				Application Number	10/593,353
				Filing Date	06/19/2007
				First Named Inventor	Lars Dahne
				Art Unit	1651
				Examiner Name	Raymond P. Yeager
Sheet	2	of	4	Attorney Docket Number	00054-0016-001

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	BO	CA 2012311	09/01/1990	Boehringer Ingelheim Int'l GmbH		
	BP	EP 0127989	12/01/1984	Connaught Lab. Ltd.		
	BQ	EP 0127713	12/01/1984	Connaught Lab Ltd.		
	BR	EP 0152898	08/01/1985	Mass. Institute of Tech.		
	BS	EP 0188309	07/01/1986	Connaught Lab Ltd.		
	BT	EP 0388758	09/01/1990	Boehringer Ingelheim Int'l GmbH	German	
	BU	EP 0392487	10/01/1990	Tekeda Chemical Indus. Ltd.		
	BV	GB 1183403	03/01/1970	Mead Johnson & Co.		
	BW	DE 102004013637	03/19/2004	Capulution NanoScience AG	German	
	BX	WO 04/030648	04/15/2004	Capulution NanoScience AG	Abstract	
	BY	WO 04/030649	04/15/2004	Capulution NanoScience AG	Abstract	
	BZ	WO 00/03797	01/27/2000	Max-Planck-Gesellschaft	Abstract	
	CA	DE 4312970	10/27/1994	Schrezenmeir	German	
	CB	EP 0415273	03/06/1991	BASF AG	German	
	CC	EP 0443428	08/28/1991	Bito, et al.		
	CD	EP 0472990	03/04/1992	Bayer AG	German	
	CE	EP 0336014	10/11/1989	Vectorpharma Int.		
	CF	EP 0667148	08/16/1995	Okayama, et al.		
	CG	EP 0823331	02/11/1998	Sony Chemicals Corp.		
	CH	EP 0516252	12/02/1992	Diagnostikforschung Inst. Hisamitsu Pharmaceutical Co., Inc.	German	
	CI	EP 1116516	07/18/2001	Max-Planck-Gesellschaft		
	CJ	WO 01/64330	09/07/2001	Gerold Ender, et al.	Abstract	
	CK	EP 1867325	12/19/2007	Max-Planck-Gesellschaft z. Foerderung der Wissenschaften e.V.	German	
	CL	EP 540582	08/01/1994	Novonordisk A/S		
	CM	GB 2135954	09/12/1984	Akademie der Wissenschaften der DDR		
	CN	GB 2145992	04/11/1985	Damon Biotech, Inc.		
	CO	GB 2153780	08/01/1985	Damon Biotech, Inc.		
	CP	JP 02-001307	01/05/1990	Shiyuu, et al.	Abstract	
	CQ	JP 02-290241	11/30/1990	Damon Biotech Inc.	Japanese	
	CR	JP 03-137152	06/11/1992	BASF AG	Japanese	
	CS	JP 07-213889	08/15/1995	Ninomiya Tshiyuki, et al.	Japanese	
	CT	JP 07-251003	10/03/1995	Nissun Flour Milling Co., Ltd.	Japanese	
	CU	JP 08-169982	07/02/1996	Dupuis, et al.	Japanese	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: October 8, 2010 <i>(use as many sheets as necessary)</i>				Application Number	10/593,353
				Filing Date	06/19/2007
				First Named Inventor	Lars Dahne
				Art Unit	1651
				Examiner Name	Raymond P. Yeager
Sheet	3	of	4	Attorney Docket Number	00054-0016-001

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	CV	JP 09-012938	01/14/1997	Matsushita Electric Ind., Co., Ltd.	Japanese	
	CW	JP 09-077605	03/25/1997	Suzuki Yushi Kogyo	Japanese	
	CX	JP 09-208440	08/12/1997	Fukui Ikuo, et al.	Japanese	
	CY	JP 60-190229	09/27/1985	Damon Biotech, Inc.	Japanese	
	CZ	JP 62-213839	09/19/1987	Hoechst Gosei KK; Mamoru, et al.	Japanese	
	DA	WO 92/05778	04/16/1992	Mass. Institute of Tech.		
	DB	WO 96/02136	02/01/1996	Dowe Lanco Ltd.		
	DC	WO 05/089825	09/29/2005Weber, et al.	Boston Scientific Scimed Inc.		
	DD	WO 98/47948	10/29/1998	Califomia Institute of Tech.		
	DE	WO 92/00998	01/23/1992	Novonordisk A/S		
	DF	WO 95/26714	10/01/1995	Johns Hopkins University		
	DG	WO 96/18498	06/01/1996	Advanced Surface Tech. Inc.		
	DH	WO 96/30409	10/01/1996	USTAV Makromolekulami		
	DI	WO 98/14180	04/01/1998	Kirpotin		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	DJ	SUKHORUKOV, et al., "Stepwise Polyelectrolyte Assembly on Particle Surfaces: A Novel Approach to Colloid Design", Polym. Adv. Technol. 9, (1998) pages 759-767.	
	DK	SUKHORUKOV, et al., "Layer-By-Layer Self Assembly of Polyelectrolytes on Colloidal Particles", Colloids and Surfaces, 137 (1998) pages 253-266.	
	DL	DONATH, et al., "Nonlinear Hairy Layer Theory of Electrophoretic Fingerprinting Applied to Consecutive Layer by Layer Polyelectrolyte Adsorption onto Charged Polystyrene Latex Particles", Langmuir 1997, Vol. 13, pages 5294-5305.	
	DM	CARUSO, et al., "Influence of Polyelectrolyte Multilayer Coatings on Föerster Resonance Energy Transfer Between 6-Carboxyfluorescein and Rhodamine B-Labeled Particles in Aqueous Solution", J. Phys. Chem., 1999, Vol. 102, pages 2011-2016.	
	DN	WANG, et al., "Polyelectrolyte-Coated Colloid Spheres as Templates for Sol-Gel Reactions", Chem Mater., 2002, Vol. 14, 1909-1913.	
	DO	Written Opinion of the International Searching Authority for International Application No. PCT/EP2008/057434, November 26, 2009.	

Examiner Signature		Date Considered	
---------------------------	--	------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: October 8, 2010 <i>(use as many sheets as necessary)</i>				Application Number	10/593,353
				Filing Date	06/19/2007
				First Named Inventor	Lars Dahne
				Art Unit	1651
				Examiner Name	Raymond P. Yeager
Sheet	4	of	4	Attorney Docket Number	00054-0016-001

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶	
	DP	A.S. MICHAELS, "Polyelectrolyte Complexes", J. Indust. & Eng. Chem., October 1965, 57(10), 1965, pages 32-40.		
	DQ	PETRAK K., "Review: Polyelectrolyte Complexes in Biomedical Application", J. Bioactive & Compatible Biopolymers, 1986, Vol. 1, pages 202-219.		
	DR	JOHANSEN, et al., "Bnmobilization of Yeast Cells Binternal Gelation of Alignate", Enzyme Microb. Technol., 1987. Vol. 8, pages 145-148.		
	DS	C.A. FINCH, "Polymers for Microcapsule Walls", Chemistry and Industry, 1985, pages 752-756.		
	DT	Encyclopedia of Chemical Technology "Microencapsulation", 1981, Vol. 15, Third Edition, pages 1A-25A.		
	DU	C.E. CAMP, et al., "Calcium Alginate-Immobilized Hepatic Microsomes: Effect of NADPH Cofactor on Oxidation Rates", Enzyme Micro. Technol., 1987, Vol. 9, pages 685-689.		
	DV	DONATH, et al., "Novel Hollow Polymer Shells by Colloid-Templated Assembly of Polyelectrolytes", Angew. Chem. Int. Ed., 1998, Vol. 37, No. 16, pages 2202-2205.		
	DW	KIM, et al., "Effect of Organic Solvent on the Permeability and Stiffness of Polyelectrolyte Multilayer Microcapsules", Macromolecules, 2005, Vol. 38, pages 5214-5222.		
	DX	DECHER G., et al., "Buildup of Ultrathin Multilayer Films by a Self-Assembly Process: III. Consecutively Alternating Adsorption of Anionic and Cationic Polyelectrolytes on Charged Surfaces", Thin Solid Films, 1992, Vol. 210-211, No. 1-2, Part 2, pages 831-835.		
	DY	MELDRUM, et al., "Magnetoferritin: In Vitro Synthesis of a Novel Magnetic Protein", Science, 1992, Vol. 257, pages 522-523.		
	DZ	CARUSO, et al., "Investigation of Electrostatic Interactions in Polyelectrolyte Multilayer Films: Binding of Anionic Fluorescent Probes to Layers Assembled onto Colloids", Macromolecules, 1999, Vol. 32, pages 2317-2328.		
	EA	KAWAHASHI, et al., "Preparation and Properties of Uniform Coated Colloidal Particles", Journal of Colloid and Interface Science, 1990, Vol. 138, No. 2, pages 534-542.		
	EB	PHILIPSE et al., "Magnetic Silica Dispersions: Preparation and Stability of Surface-Modified Silica Particles with a Magnetic Core", Langmuir, 1994, Vol. 10, pages 92-99.		

Examiner Signature		Date Considered	
---------------------------	--	------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**